

**State of California
AIR RESOURCES BOARD**

**Notice of Public Availability of Modified Text and Addition of Supporting Documents to
the Record**

PUBLIC HEARING TO CONSIDER ADOPTION OF MODIFICATIONS TO ARB METHOD
310 TO INCLUDE THE DETERMINATION OF LOW VAPOR PRESSURE-VOLATILE
ORGANIC COMPOUNDS (LVP-VOC) IN CONSUMER PRODUCTS

AND

AMENDMENTS TO THE DEFINITION AND TEST METHOD SECTIONS OF THE
CALIFORNIA REGULATIONS TO INCLUDE THE DETERMINATION OF LOW VAPOR
PRESSURE-VOLATILE ORGANIC COMPOUNDS (LVP-VOC) IN ANTIPERSPIRANTS
AND DEODORANTS, CONSUMER PRODUCTS, AND AEROSOL COATING PRODUCTS

Public Hearing Date: **November 19, 1998**
Public Availability Date: **June 23, 1999**
Deadline for Public Comment: **July 9, 1999**

At a public hearing held November 19, 1998, the Air Resources Board (ARB or Board) considered the adoption of modifications to ARB Method 310, "Determination of Volatile Organic Compounds (VOC) in Consumer Products." The Board also considered the adoption of amendments to sections 94506, 94506.5, 94508, 94515, and 94526, Title 17, California Code of Regulations (CCR). This regulatory action as originally proposed is described in detail in the "Staff Report: Initial Statement of Reasons for Proposed Rulemaking" (Staff Report) released to the public on October 2, 1998.

At the hearing, the staff proposed modifications specifying test procedures for the determination of low vapor pressure-volatile organic compounds (LVP-VOC) in consumer products and incorporating by reference those specified test procedures. The Board approved the modifications to sections 94506, 94506.5, 94508, 94515, and 94526, Title 17, CCR and to ARB Method 310 as originally proposed, with additional modifications presented by staff at the hearing. Board Resolution 98-54 sets forth the Board's action at the November hearing.

In response to comments received during the 45-day public comment period, staff evaluated test method ASTM E 1719-97, Vapor Pressure of Liquids by Ebulliometry (March 10, 1997). At the November hearing, staff proposed and the Board approved development of regulatory language to include ASTM E 1719-97 as an equivalent method if appropriate and to make other conforming changes. Upon evaluation, staff found method ASTM E 1719-97 to be suitable for LVP-VOC determination in consumer products. In accordance with the Board's direction, this 15-day notice proposes to include ASTM E 1719-97 in Method 310 and to incorporate the method by reference into the consumer products regulation. In addition, staff is proposing to

incorporate by reference Method ASTM D 2887-97, Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography (April 10, 1997), which is also a method used in determination of LVP-VOC, and to make additional clarifying and conforming changes. Attachment A to this notice contains amendments to the regulatory language as originally proposed with modifications approved by the Board at the November hearing. Attachment B to this notice contains amendments to Method 310 as originally proposed with modifications approved by the Board at the November hearing.

In addition, staff is including in the rulemaking record a supporting document used in its evaluation of ASTM E 1719-97 as a method to determine LVP-VOCs in consumer products. This supporting document is an April 8, 1999 memorandum from Eric E. Walton, Air Pollution Specialist, to Michael Spears, Manager, Evaluation Section, Subject: Evaluation of Ebulliometry Method, with Attachment A, Round Robin Report, and Attachment B, Ebulliometry Information given to the ARB by Scott Christensen of Union Carbide. This memorandum, Method ASTM E 1719-97, and Method ASTM D 2887-97 are available to the public at the ARB's Public Information Office, 2020 L Street, Sacramento, California 95814, (916) 322-2990 or by contacting George Lew, Chief, Engineering and Laboratory Branch, at (916) 327-0900. The Staff Report and Board Resolution 98-54, are available electronically on the Board's Website at <http://www.arb.ca.gov/regact/conspro/lvpvoc/lvpvoc.htm>.

In accordance with section 11346.8 of the Government Code, the Board directed the Executive Officer to adopt the modified Method 310 and the amendments to sections 94506, 94506.5, 94508, 94515, and 94526, as approved, after making the modified regulatory language available to the public for comment for a period of at least fifteen (15) days, provided that the Executive Officer shall consider such written comments as may be submitted during this period, shall make such modifications as may be appropriate in light of the comments received, and shall present the regulations to the Board for further consideration if that is warranted.

Written comments must be submitted to Clerk of the Board, Air Resources Board, P.O. Box 2815, Sacramento, CA 95812, no later than the deadline for public comment identified above, for consideration by the Executive Officer prior to final action. Only comments relating to the modifications described in this notice will be considered by the Executive Officer.

Attachments